

Logan Archibald

Traralgon, Victoria 3844
loganarchibald03@outlook.com
0475742339
WWW: <https://loganarchibald.xyz/>
WWW: www.linkedin.com/in/logan-archibald-6a1404312

Websites, Portfolios, Profiles

- <https://loganarchibald.xyz/>

Skills

- Proficient in CAD software: Catia V5, SolidEdge, SolidWorks
- Proficient in PLC, SCADA, and HMI systems
- Programmed and used different 3 and 6 axis robot arms
- Proficient in Python, C++, and MATLAB/Simulink
- Proactive maintenance implementation
- Risk management strategies
- Industrial automation
- Proficient in sensor technology applications

Education

Bachelor of Engineering in
Mechatronics And Robotics
(Honors)

Swinburne University of Technology,
Melbourne, VIC | Expected in November
2027

Cert III in Digital Media and
Technology

Mechatronics & Robotics Engineering undergraduate and Propel Scholar with hands on experience in Tier-1 aerospace at Boeing and precision automation at Trajan. Specializes in industrial robotics, process reliability, and root cause analysis, demonstrating a strong ability to operate within rigorous safety governance and regulatory frameworks. Eager to leverage technical skills and practical knowledge in a summer internship for the 2026/2027 intake, with full relocation flexibility across Australia. Committed to contributing innovative solutions and enhancing operational efficiency in a challenging work environment.

Work history

Engineering Intern

Boeing Aerostructures Australia, Melbourne, Victoria | November 2025 - March 2026

- Utilised Catia V5 to model, prototype, and optimize complex mechanical components, performing parametric design revisions to meet strict aerospace structural tolerances.
- Maintained equipment and tools, ensuring a safe working environment for all team members.
- Assisted senior engineers in developing comprehensive products, helping ensure successful testing.
- Programmed industrial ABB robotic arms, optimizing cycle times and ensuring fluid movement and minimal downtime.

Automation Engineer Intern

Trajan Scientific and Medical, RINGWOOD, VIC | November 2024 - November 2025

- Led comprehensive design, fabrication, and commissioning of automated electromechanical systems.
- Managed project lifecycle from initial concept to final site validation, ensuring adherence to high standards.
- Resolved firmware and mechanical faults, ensuring full system operation and minimizing downtime
- Executed preventative maintenance on automation hardware, enhancing system reliability and minimizing failure rates.
- Performed root cause analysis utilizing log files and schematics to implement permanent solutions.
- Designed resilient mechanical assemblies with SolidEdge CAD to achieve sustained durability and high performance.
- Engineered test jigs guaranteeing performance across diverse environments.

Customer Service/Team Leader/Click And Collect

Kmart, Traralgon, VIC | September 2020 - November 2024

- Led customer service team, ensuring high standards in customer interaction and satisfaction.

- Trained and mentored new staff, fostering a collaborative and efficient work environment.
- Implemented process improvements to streamline service delivery, enhancing overall efficiency.
- Resolved escalated customer complaints, maintaining brand reputation and trust.
- Coordinated scheduling and workload distribution, optimizing team performance during peak hours.

Scholarships

Propel Scholar (Australian Academy of Technological Sciences & Engineering)

Competitive Selection: Awarded a national scholarship by an expert panel to support future workforce capability in high-complexity engineering sectors.

Advanced Infrastructure Focus: Selected to develop skills relevant to the AUKUS Nuclear-Powered Submarine enterprise and critical sovereign capabilities

References

References available upon request.